

Abstract

The present invention relates to novel compositions comprising DNA attached to an immunostimulatory oligonucleotide (CpG) via a locked nucleic acid oligonucleotide of a defined sequence. In particular the present invention provides compositions comprising a plasmid containing a gene encoding a protein of interest, wherein said plasmid may be introduced to a tissue or cell and the gene expressed, complexed to the LNA -CpG. Also provided is a method of co-synthesis of CpG and LNA to form compositions for use as adjuvants with DNA plasmid vaccines.